

VideOh! PCI AVC-2000

User's Guide

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- Before contacting Technical Support, you need your unique 12-digit TSID number. The TSID number identifies your product and support status.
- The TSID number is included on two white, bar-coded labels, like the example below.



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Federal Communications Commission Radio Frequency Interference Statement

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. However, if this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between equipment and receiver.
 - Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/television technician for help.
 - Use a shielded and properly grounded I/O cable and power cable to ensure compliance of this unit to the specified limits of the rules.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.



European Union Compliance Statement

This Information Technology Equipment has been tested and found to comply with
EMC Directive 89/336/EEC, as amended by 92/31/EEC and 93/68/EEC, in
accordance with:

- EN55022 (1998) Emissions
 - EN55024 (1998) Immunity:
 - EN61000-4-2 (1998) Electrostatic discharge: ± 4 kV contact, ± 8 kV air
 - EN61000-4-3 (1998) Radiated immunity
 - EN61000-4-4 (1995) Electrical fast transients/bursts: ± 1 kV AC, ± 0.5 kV I/O
 - EN61000-4-5 (1995) Surges ± 1 kV differential mode, ± 2 kV common mode
 - EN61000-4-6 (1996) Conducted immunity: 3 V
 - EN61000-4-11 (1994) Supply dips and variation: 30% and 100%

In addition, all equipment requiring U.L. listing has been found to comply with EMC Directive 73/23/EEC as amended by 93/68/EEC in accordance with EN60950 with amendments A1, A2, A3, A4, A11.



Australian/New Zealand Compliance Statement

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to the Australian/New Zealand standard AS/NZS 3548 set out by the Spectrum Management Agency.



Canadian Compliance Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.



Japanese Compliance (Voluntary Control Council Initiative)

This equipment complies to class B Information Technology equipment based on VCCI (Voluntary Control Council for Interface). This equipment is designed for home use but it may causes radio frequency interference problem if used too near to a television or radio. Please handle it correctly per this documentation.

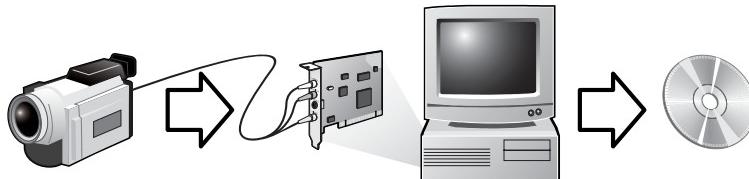
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Introduction

Congratulations on the purchase of your Adaptec VideOh! PCI AVC-2000. With your VideOh! PCI kit, you can convert your analog videos into digital format and create your own Video CDs (VCDs) and DVDs.

- Capture your favorite video footage with your AVC-2000 and the Sonic® MyDVD® software.



- Organize and burn VCDs and DVDs with MyDVD. Add backgrounds to your videos, and menus for easy navigation.
- Edit your videos with the digital video editing tool integrated with MyDVD, if you want to add music, transitions, and titles to your movies.

This *User's Guide* tells you how to set up your VideOh! PCI hardware, and provides detailed instructions for installing and using the VideOh! PCI software.

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What's in the Package

Your Adaptec VideOh! PCI package includes:

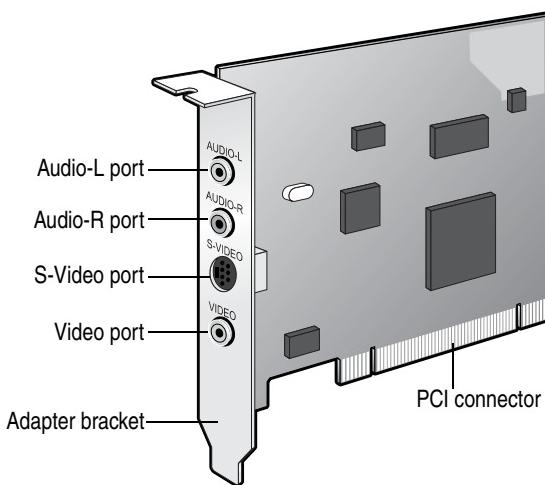
- Adaptec AVC-2000 PCI MPEG-2 capture card
- 6-foot RCA to RCA Audio/Video (A/V) cable
- VideOh! CD, including drivers and Sonic MyDVD software
- *VideOh! PCI AVC-2000 Installation Guide*

System Requirements

To use your VideOh! PCI kit, you need a PC-compatible computer with:

- Intel Pentium III 600 MHz (or faster) processor (800 MHz recommended)
- Windows® 98SE, Windows Me®, Windows 2000®, or Windows XP®
- Available PCI slot
- 128 MB RAM
- 250 MB free disk space for applications
- 450 MB free disk space per 10 minutes of captured video
- Sound card
- CD-ROM drive
- CD-Recorder or DVD-Recorder for output
- Video card and monitor that support 16-bit color at 1024 x 768 resolution (24/32-bit color and higher recommended)

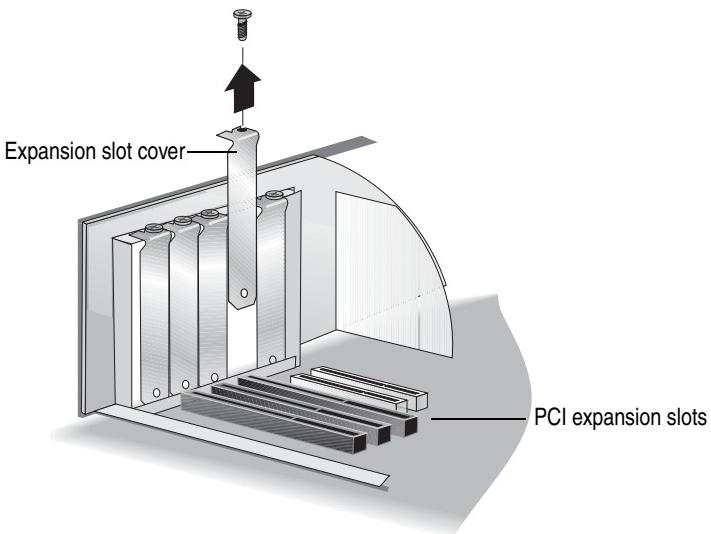
This is Your AVC-2000



Installing Your AVC-2000

To install your AVC-2000 adapter:

- 1 Discharge any static electricity build-up before handling the AVC-2000 adapter by touching a grounded metal object (such as the exposed metal parts on the back of your computer).
- 2 Turn off power to the computer and disconnect the power cord. Open the computer cabinet, following the manufacturer's instructions.
- 3 Locate an unused PCI expansion slot and remove the expansion slot cover. Save the slot cover screw for use in [Step 6](#).



- 4 Remove the AVC-2000 adapter from its antistatic packaging.



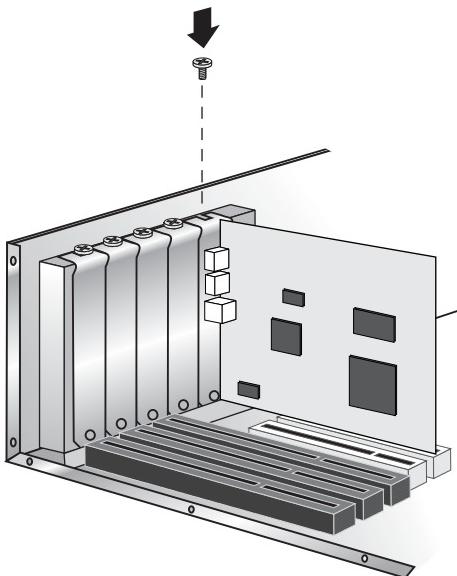
Caution: Always handle the adapter by its edges or metal bracket. Do not touch the gold PCI connector or any components on the card.

- 5 Insert the AVC-2000 adapter into the PCI expansion slot. Press down firmly until the adapter clicks into place. When installed properly, the adapter should appear level with the expansion slot.



Note: Depending on the tightness of the PCI slot, gentle but firm force may be required to insert the adapter.

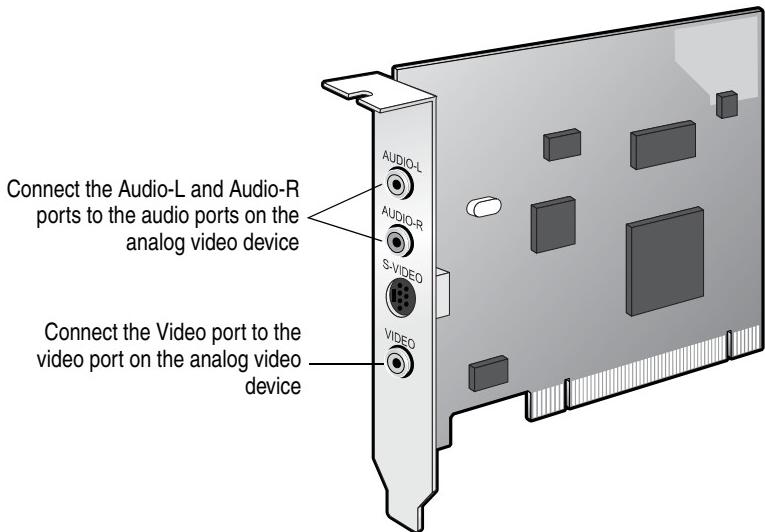
- 6 Secure the adapter bracket with the slot cover screw you removed in [Step 3](#).



- 7 Close the computer cabinet, reattach the power cord, then turn on the computer.

Plugging In

Follow the picture below to connect your computer and your analog video device to the AVC-2000 adapter.



Connect the Audio-L and Audio-R ports to the audio ports on the analog video device

Connect the Video port to the video port on the analog video device

S-Video users only—Connect your S-Video cable (not included) to your analog video device and the S-Video port on your AVC-2000. You can use the audio plugs of the A/V cable included in your VideOh! PCI kit to connect to the Audio-L and Audio- R ports.



Caution: *Do not* use both the S-Video and the Video ports simultaneously.

Installing the Drivers

Before you can begin capturing video, you must install the VideOh! PCI device drivers.

Follow the complete set of installation instructions provided for your operating system to ensure that the driver is properly installed:

- For Windows XP, see [page 9](#).
- For Windows 2000, see [page 12](#).
- For Windows Me, see [page 17](#).
- For Windows 98SE, see [page 20](#).

Windows XP

After you install the AVC-2000 and restart your computer, Windows XP automatically opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

When the installation is complete, ensure that the driver is installed properly by following the instructions provided in *Double-Checking Driver Installation on page 11*.

To install the driver:

- 1 Insert the VideOh! CD into your CD-ROM drive.



Note: If the VideOh! PCI software installation screen appears, exit this screen until driver installation is complete.

- 2 In the Found New Hardware Wizard, select **Install the software automatically...**, then click **Next**.



3 Click Continue Anyway.



Windows installs the driver.

4 Click Finish to complete the installation.



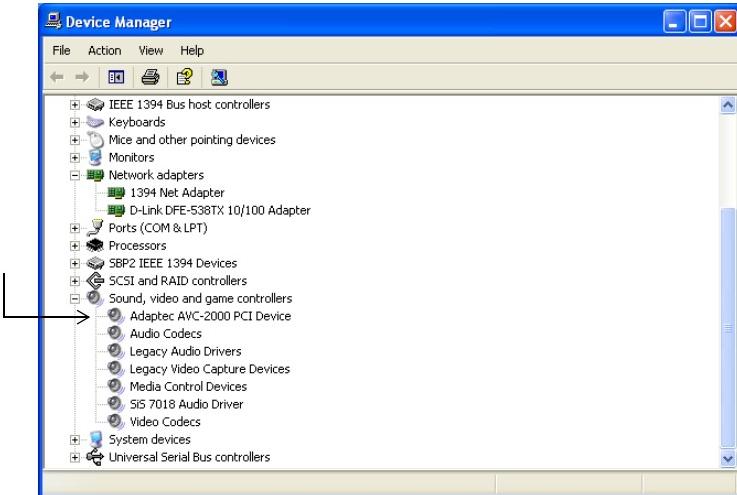
5 Click Yes to restart your computer.



Double-Checking Driver Installation

To verify that the driver is installed, right-click the **My Computer** desktop icon, select **Properties**, click the **Hardware** tab, then click the **Device Manager** button.

Check that Adaptec AVC-2000 PCI Device appears, as shown in the figure below.



If the AVC-2000 doesn't appear, see [Troubleshooting Your AVC-2000 on page 25](#).

Windows 2000

After you install the AVC-2000 and restart your computer, Windows 2000 automatically opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

When the installation is complete, ensure that the driver is installed properly by following the instructions provided in *Double-Checking Driver Installation* on page 16.

To install the driver:

- 1 Insert the VideOh! CD into your CD-ROM drive.



Note: If the VideOh! PCI software installation screen appears, exit this screen until driver installation is complete.

- 2 In the Found New Hardware Wizard, click Next.



3 Select Search for a suitable driver..., then click Next.

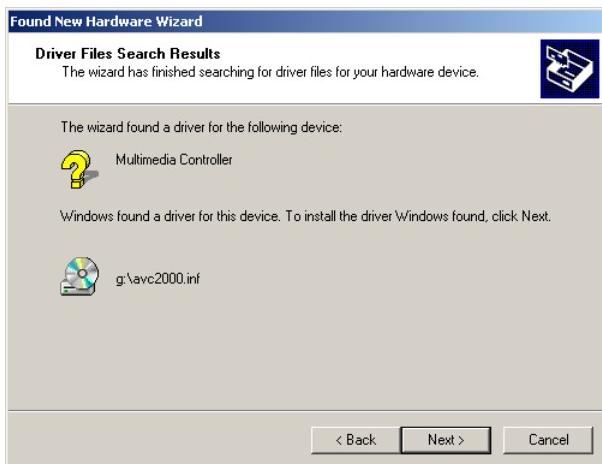


4 Select *only* CD-ROM drives, then click Next.



Windows locates a driver file.

5 Click Next.



Note: The drive letter for your CD-ROM may be different than the one shown in the example above.

6 Click Yes.



- 7 Click **Finish** to complete the installation.

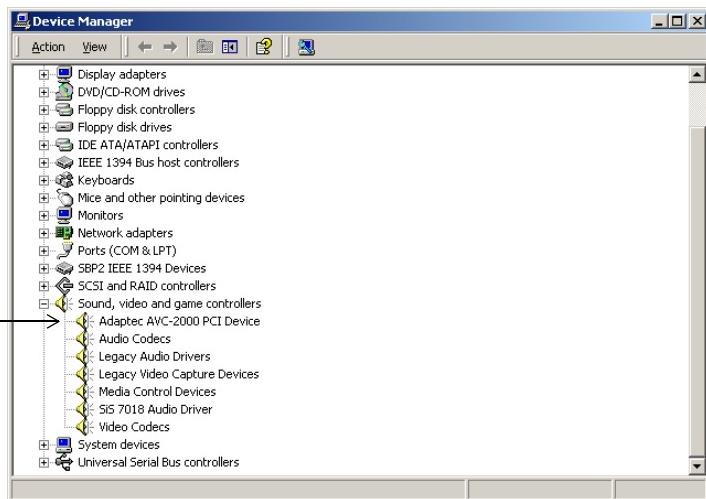


- 8 When the installation is complete, restart your computer.

Double-Checking Driver Installation

To ensure that the driver has installed properly for your Windows 2000 system:

- 1 On your desktop, double-click **My Computer**, double-click **Control Panel**, then double-click **System**. The System Properties window opens.
- 2 Open **Device Manager**.
- 3 Click **Sound, video and game controllers**, and check that Adaptec AVC-2000 PCI Device appears, as shown in the figure below.



If the AVC-2000 doesn't appear, see [Troubleshooting Your AVC-2000 on page 25](#).

Windows Me

After you install the AVC-2000 and restart your computer, Windows Me automatically opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

When the installation is complete, ensure that the driver is installed properly by following the instructions provided in *Double-Checking Driver Installation* on page 19.

To install the driver:

- 1 Insert the VideOh! CD into your CD-ROM drive.



Note: If the VideOh! PCI software installation screen appears, exit this screen until driver installation is complete.

- 2 In the Found New Hardware Wizard, click **Next**.
- 3 Select **Automatic search...**, then click **Next**.



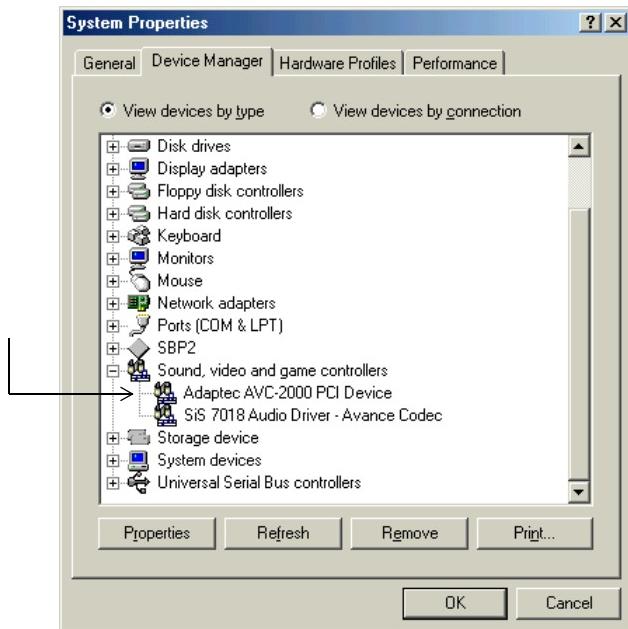
- 4 Click **Finish** to complete the installation.



Double-Checking Driver Installation

To ensure that the driver has installed properly for your Windows Me system:

- 1 On your desktop, double-click **My Computer**, double-click **Control Panel**, then double-click **System**. The System Properties window opens.
- 2 Open **Device Manager**.
- 3 Click **Sound, video and game controllers**, and check that Adaptec AVC-2000 PCI Device appears, as shown in the figure below.



If the AVC-2000 doesn't appear, see [Troubleshooting Your AVC-2000](#) on page 25.

Windows 98SE

After you install the AVC-2000 and restart your computer, Windows 98SE automatically opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

When the installation is complete, ensure that the driver is installed properly by following the instructions provided in *Double-Checking Driver Installation* on page 23.



Note: You may need your Windows 98SE CD to complete this installation procedure.

To install the drivers:

- 1 Insert the VideOh! CD into your CD-ROM drive.



Note: If the VideOh! PCI software installation screen appears, exit this screen until driver installation is complete.

- 2 In the Found New Hardware Wizard, click **Next**.
- 3 Select **Search for best driver...**, then click **Next**.



- 4 Select *only* CD-ROM drive, then click **Next**.



- 5 Click **Next**.



Note: The drive letter for your CD-ROM may be different than the one shown in the example above.

- 6 Insert your Windows 98SE CD, then click **OK**.



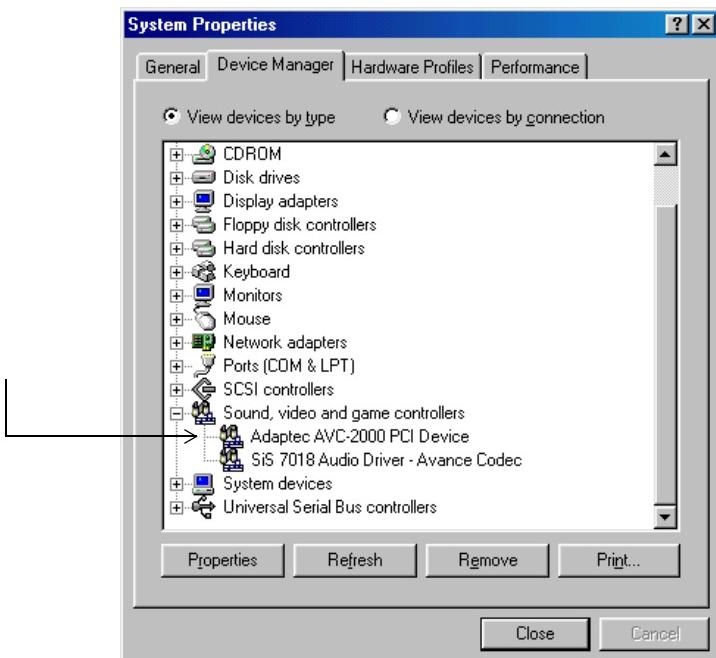
- 7 Click **Finish** to complete the installation.



Double-Checking Driver Installation

To ensure that the driver has installed properly for your Windows 98SE system:

- 1 On your desktop, double-click **My Computer**, double-click **Control Panel**, then double-click **System**. The System Properties window opens.
- 2 Open **Device Manager**.
- 3 Click **Sound, video and game controllers**, and check that Adaptec AVC-2000 PCI Device appears, as shown in the figure below.



If the AVC-2000 doesn't appear, refer to [Troubleshooting Your AVC-2000 on page 25](#).

Installing MyDVD

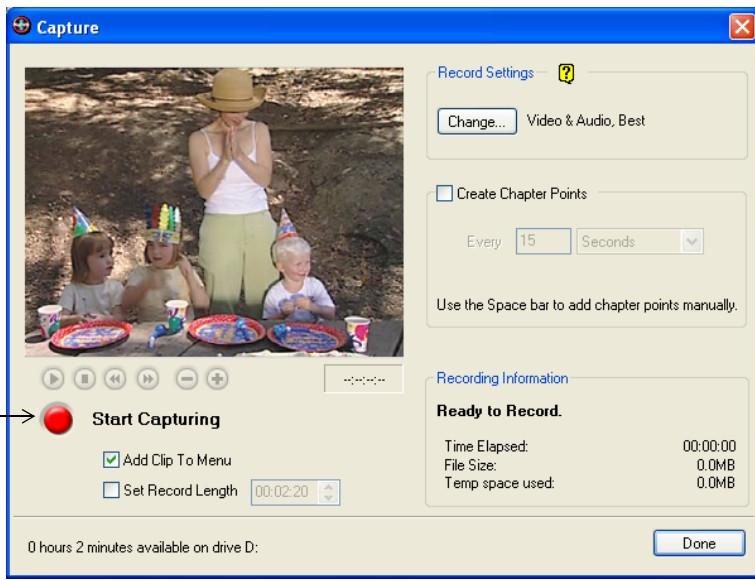
To install MyDVD:

Insert the VideOh! CD into your CD-ROM drive and follow the on-screen instructions.

If the VideOh! CD is already in your CD-ROM drive, reinsert it to activate the software installation screen.

Using MyDVD

Use Sonic MyDVD to transfer your videos onto your computer in digital format and create VCDs or DVDs. MyDVD helps you organize your digital videos, and add backgrounds and a menu navigation system.



Record button



Note: Except for the Record button, the control buttons on the Sonic screen will not work with your analog video device. Control your device with its onboard control buttons.

When you install MyDVD, a video editing application is also installed. Use this tool to edit your digital videos and add music, transitions, and titles.

Refer to the online documentation included with MyDVD and the video editing tool for help using these software applications.

Registering Your AVC-2000

To ensure your eligibility for support and upgrades, and to qualify for future promotions, please register your AVC-2000 on the Adaptec website at register.adaptec.com.

Troubleshooting Your AVC-2000

If you encounter difficulties installing or using your VideOh! PCI adapter, follow these suggestions:

- Ensure that the card is seated evenly in the PCI slot.
- Ensure that your analog video device is turned on.
- Double-check that the cables are properly connected.
- Check that the driver installed properly. (See *Installing the Drivers* on page 8 to find detailed instructions.) If the driver did not install, try moving the card to a different PCI slot.

Technical Specifications

Technology	PCI
Video Input	Composite (RCA) S-Video (7-pin DIN)
Video Capture Format	MPEG-1 and MPEG-2
Bit Rate	Variable within DVD specification
Video Standards	NTSC (720 x 480, 480 x 480, 352 x 480, 352 x 240) PAL (704 x 576, 480 x 576, 352 x 576, 352 x 288)
Audio Input	Stereo Audio (Left/Right RCA)
PC Interface	32-bit PCI (v2.2) at 33/66 MHz
Form Factor	4.75" (L) x 4.1" (W)
Power	12 V: 27 mA 5 V: 680 mA
Regulatory Certifications	FCC Class B, CE Class B (See page vii for more information.)



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